Table 25.--*Average soil moisture, in percent of total volume, at station 1*

DATE	SAMPLING DEPTH (FT)	AVERAGE SOIL MOISTURE PERCENT OF TOTAL VOLUME	DATE	SAMPLING DEPTH (FT)	AVERAGE SOIL MOISTURE PERCENT OF TOTAL VOLUME	DATE	SAMPLING DEPTH (FT)	AVERAGE SOIL MOISTURE PERCENT OF TOTAL VOLUME
SEP 1978			DEC 1978			FEB 1979		
27...	0.5	14.8	12...	3.0	16.3	08...	6.5	15.6
27...	1.0	16.4	12...	3.5	16.5	08...	7.0	15.1
27...	1.5	16.8	12...	4.0	16.1	08...	7.5	16.6
27...	2.0	16.1	12...	4.5	15.6	20...	0.5	18.7
27...	2.5	16.5	12...	5.0	15.4	20...	1.0	17.5
27...	3.0	17.1	12...	5.5	14.7	20...	1.5	16.6
27...	3.5	17.5	12...	6.0	15.1	20...	2.0	16.0
27...	4.0	17.0	12...	6.5	15.3	20...	2.5	16.0
27...	4.5	16.5	12...	7.0	15.0	20...	3.0	16.4
27...	5.0	15.6	12...	7.5	13.8	20...	3.5	17.1
27...	5.5	15.1	JAN 1979			20...	4.0	16.8
27...	6.0	15.9	11...	0.5	17.5	20...	4.5	16.2
27...	6.5	16.0	11...	1.0	16.4	20...	5.0	15.7
27...	7.0	15.1	11...	1.5	16.3	20...	5.5	14.9
27...	7.5	14.4	11...	2.0	15.6	20...	6.0	15.6
NOV 1978			11...	2.5	15.6	20...	6.5	15.7
02...	0.5	14.1	11...	3.0	16.5	20...	7.0	15.2
02...	1.0	15.6	11...	3.5	16.8	20...	7.5	14.5
02...	1.5	16.4	11...	4.5	15.9	MAR 1979		
02...	2.0	16.2	11...	5.5	14.8	15...	0.5	20.1
02...	2.5	15.9	11...	6.0	15.4	15...	1.0	18.9
02...	3.0	16.7	11...	6.5	15.4	15...	1.5	18.6
02...	3.5	17.5	11...	7.0	14.6	15...	2.0	17.7
02...	4.0	16.8	11...	7.5	13.8	15...	2.5	17.9
02...	4.5	16.4	30...	0.5	17.2	15...	3.0	18.4
02...	5.0	15.6	30...	1.0	16.7	15...	3.5	18.6
02...	5.5	15.0	30...	1.5	16.2	15...	4.0	18.6
02...	6.0	15.6	30...	2.0	15.4	15...	4.5	18.1
02...	6.5	15.7	30...	2.5	15.7	15...	5.0	17.5
02...	7.0	15.0	30...	3.0	16.3	15...	5.5	17.4
02...	7.5	14.3	30...	3.5	16.8	15...	6.0	18.1
16...	0.5	17.2	30...	4.0	16.2	15...	6.5	17.9
16...	1.0	16.3	30...	4.5	15.9	15...	7.0	16.8
16...	1.5	16.5	30...	5.0	15.0	15...	7.5	16.1
16...	2.0	15.9	30...	5.5	14.7	26...	0.5	24.9
16...	2.5	15.9	30...	6.0	15.3	26...	1.0	24.4
16...	3.0	16.8	30...	6.5	15.4	26...	1.5	21.9
16...	3.5	17.2	30...	7.0	14.6	26...	2.0	20.1
16...	4.0	16.8	30...	7.5	13.8	26...	3.0	17.3
16...	4.5	16.2	FEB 1979			26...	4.0	17.7
16...	5.0	15.7	08...	0.5	17.7	26...	4.5	17.4
16...	5.5	15.3	08...	1.0	16.7	26...	5.0	17.1
16...	6.0	15.6	08...	1.5	16.5	26...	5.5	16.3
16...	6.5	15.9	08...	2.0	15.8	26...	6.0	17.1
16...	7.0	15.0	08...	2.5	15.8	26...	6.5	17.1
16...	7.5	14.7	08...	3.0	16.2	26...	7.0	16.7
DEC 1978			08...	3.5	17.0	26...	7.5	16.2
12...	0.5	17.4	08...	4.0	15.9	APR 1979		
12...	1.0	16.2	08...	4.5	15.4	05...	0.5	23.1
12...	1.5	16.2	08...	5.0	15.5	05...	1.0	20.8
12...	2.0	15.6	08...	5.5	14.7	05...	2.0	18.7
12...	2.5	15.9	08...	6.0	15.3	05...	2.5	18.6

Table 25.--Average soil moisture, in percent of total volume, at station 1--Continued

DATE	SAMPLING DEPTH (FT)	AVERAGE SOIL MOISTURE PERCENT OF TOTAL VOLUME	DATE	SAMPLING DEPTH (FT)	AVERAGE SOIL MOISTURE PERCENT OF TOTAL VOLUME	DATE	SAMPLING DEPTH (FT)	AVERAGE SOIL MOISTURE PERCENT OF TOTAL VOLUME
APR 1979			MAY 1979			JUL 1979		
05...	3.0	18.6	17...	6.0	16.3	10...	1.0	16.1
05...	3.5	18.6	17...	6.5	16.8	10...	1.5	16.3
05...	4.0	18.3	17...	7.0	16.3	10...	2.0	15.9
05...	4.5	17.4	17...	7.5	15.5	10...	2.5	16.0
05...	5.0	16.5	22...	0.5	17.4	10...	3.0	16.1
05...	5.5	16.5	22...	1.0	23.2	10...	3.5	17.1
05...	6.0	16.5	22...	1.5	22.7	10...	4.0	16.8
05...	6.5	17.2	22...	2.0	17.4	10...	4.5	16.8
05...	7.0	17.1	22...	2.5	17.7	10...	5.0	16.5
05...	7.5	15.7	22...	3.0	17.2	10...	5.5	15.7
26...	0.5	23.7	22...	3.5	17.7	10...	6.0	16.2
26...	1.0	24.0	22...	4.0	17.5	10...	6.5	16.2
26...	1.5	22.3	22...	4.5	17.3	10...	7.0	15.6
26...	2.0	19.5	22...	5.0	16.8	10...	7.5	15.0
26...	2.5	17.7	22...	5.5	16.0	25...	0.5	13.6
26...	3.0	17.0	22...	6.0	16.8	25...	1.0	15.8
26...	3.5	17.7	22...	6.5	17.1	25...	1.5	15.9
26...	4.0	17.1	22...	7.0	16.4	25...	2.0	15.7
26...	4.5	17.1	22...	7.5	15.6	25...	2.5	15.9
26...	5.0	16.7	JUN 1979			25...	3.0	16.6
26...	5.5	15.6	07...	0.5	16.2	25...	3.5	16.8
26...	6.0	16.8	07...	1.0	18.3	25...	4.0	16.8
26...	6.5	16.5	07...	1.5	18.8	25...	4.5	16.8
26...	7.0	16.5	07...	2.0	17.6	25...	5.0	15.9
26...	7.5	15.6	07...	2.5	17.1	25...	5.5	16.1
MAY 1979			07...	3.0	16.8	25...	6.0	16.7
11...	0.5	21.8	07...	3.5	17.4	25...	6.5	16.4
11...	1.0	23.9	07...	4.0	17.0	25...	7.0	15.6
11...	1.5	22.2	07...	4.5	16.8	25...	7.5	14.8
11...	2.0	19.8	07...	5.0	16.4	AUG 1979		
11...	2.5	18.1	07...	5.5	15.6	22...	0.5	12.8
11...	3.0	17.7	07...	6.0	16.8	22...	1.0	15.7
11...	3.5	18.4	07...	6.5	16.5	22...	1.5	15.9
11...	4.0	18.2	07...	7.0	15.9	22...	2.0	15.5
11...	4.5	17.7	07...	7.5	15.2	22...	2.5	15.4
11...	5.0	17.4	29...	0.5	15.0	22...	3.0	15.9
11...	5.5	16.8	29...	1.0	17.6	22...	3.5	16.7
11...	6.0	17.4	29...	1.5	17.9	OCT 1979		
11...	6.5	17.1	29...	2.0	16.9	24...	0.5	14.4
11...	7.0	17.0	29...	2.5	16.7	24...	1.0	15.6
11...	7.5	16.2	29...	3.0	16.5	24...	1.5	15.5
17...	0.5	19.6	29...	3.5	16.5	24...	2.0	14.9
17...	1.0	22.0	29...	4.0	16.6	24...	2.5	15.3
17...	1.5	21.0	29...	4.5	16.3	24...	3.0	16.0
17...	2.0	17.5	29...	5.0	15.7	24...	3.5	16.4
17...	2.5	17.7	29...	5.5	15.3	24...	4.0	16.4
17...	3.0	17.1	29...	6.0	15.9	NOV 1979		
17...	3.5	17.6	29...	6.5	15.7	30...	0.5	15.0
17...	4.0	17.4	29...	7.0	15.0	30...	1.0	15.6
17...	4.5	17.2	29...	7.5	14.4	30...	1.5	15.2
17...	5.0	16.8	JUL 1979			30...	2.0	14.7
17...	5.5	15.9	10...	0.5	13.8	30...	2.5	15.3

Table 25.--*Average soil moisture, in percent of total volume, at station 1*--Continued

DATE	SAMPLING DEPTH (FT)	AVERAGE SOIL MOISTURE PERCENT OF TOTAL VOLUME
NOV 1979		
30...	3.0	15.8
30...	3.5	16.2
30...	4.0	16.2
DEC 1979		
21...	0.5	15.0
21...	1.0	15.6
21...	1.5	15.2
21...	2.0	14.5
21...	2.5	15.1
21...	3.0	15.8
21...	3.5	16.2
21...	4.0	16.1
JAN 1980		
29...	.5	16.8
29...	1.0	15.6
29...	1.5	15.3
29...	2.0	14.6
29...	2.5	15.6
29...	3.0	15.5
29...	3.5	15.8
29...	4.0	16.1
FEB 1980		
22...	0.5	17.6
22...	1.0	15.8
22...	1.5	15.1
22...	2.0	14.8
22...	2.5	15.3
22...	3.0	15.7
22...	3.5	16.2
22...	4.0	16.1
MAR 1980		
12...	0.5	21.3
12...	1.0	18.9
12...	1.5	17.7
12...	2.0	16.8
12...	2.5	16.8
MAR 1980		
12...	3.0	16.8
12...	3.5	17.2
12...	4.0	17.6
APR 1980		
04...	0.5	21.7
04...	1.0	19.8
04...	1.5	17.4
04...	2.0	16.1
04...	2.5	16.2
04...	3.0	16.5
04...	3.5	16.7
04...	4.0	16.5
25...	0.5	20.0
25...	1.0	19.4
25...	1.5	17.4
25...	2.0	16.0
25...	2.5	16.1
25...	3.0	16.3
25...	3.5	16.8
25...	4.0	16.5
MAY 1980		
16...	0.5	17.0
16...	1.0	17.7
16...	1.5	16.2
16...	2.0	15.7
16...	2.5	16.0
16...	3.0	16.4
16...	3.5	16.6
16...	4.0	16.6
27...	0.5	16.7
27...	1.0	16.8
27...	1.5	15.4
27...	2.0	15.3
27...	2.5	15.6
27...	3.0	16.0
27...	3.5	16.6
MAY 1980		
27...	4.0	16.5
JUN 1980		
19...	0.5	20.1
19...	1.0	21.3
19...	1.5	18.3
19...	2.0	15.6
19...	2.5	15.6
19...	3.0	16.2
19...	3.5	16.6
19...	4.0	16.5
JUL 1980		
09...	0.5	15.5
09...	1.0	16.8
09...	1.5	16.1
09...	2.0	15.3
09...	2.5	15.5
09...	3.0	16.2
09...	3.5	16.7
09...	4.0	16.7
31...	0.5	14.7
31...	1.0	15.6
31...	1.5	15.2
31...	2.0	15.0
31...	2.5	15.3
31...	3.0	16.0
31...	3.5	16.4
AUG 1980		
19...	0.5	14.6
19...	1.0	15.3
19...	1.5	15.2
19...	2.0	15.0
19...	2.5	15.2
19...	3.0	15.9
19...	3.5	16.0
19...	4.0	16.2

Table 26.--*Average soil moisture, in percent of total volume, at station 4*

DATE	SAMPLING DEPTH (FT)	AVERAGE SOIL MOISTURE PERCENT OF TOTAL VOLUME	DATE	SAMPLING DEPTH (FT)	AVERAGE SOIL MOISTURE PERCENT OF TOTAL VOLUME	DATE	SAMPLING DEPTH (FT)	AVERAGE SOIL MOISTURE PERCENT OF TOTAL VOLUME
MAY 1979			DEC 1979			MAY 1980		
16...	0.5	22.3	18...	0.5	20.2	16...	0.5	20.2
16...	1.0	24.0	18...	1.0	15.2	16...	1.0	20.4
16...	1.5	24.4	18...	1.5	15.1	16...	1.5	19.4
16...	2.0	26.0	18...	2.0	18.7	16...	2.0	19.1
16...	2.5	26.0	18...	2.5	20.7	16...	2.5	18.6
16...	3.0	26.0	18...	3.0	23.0	16...	3.0	20.4
16...	3.5	27.7	18...	3.5	24.4	16...	3.5	22.0
22...	0.5	22.2	JAN 1980			27...	0.5	19.4
22...	1.0	24.5	30...	0.5	16.0	27...	1.0	19.4
22...	1.5	24.8	30...	1.0	16.3	27...	1.5	18.7
22...	2.0	26.8	30...	1.5	18.4	27...	2.0	18.9
22...	2.5	26.5	30...	2.0	19.7	27...	2.5	18.6
22...	3.0	26.6	30...	2.5	24.1	27...	3.0	20.6
22...	3.5	28.2	30...	3.0	25.0	JUN 1980		
22...	4.0	29.4	30...	3.5	23.0	19...	0.5	22.7
JUN 1979			FEB 1980			19...	1.0	20.6
07...	0.5	22.5	20...	0.5	19.7	19...	1.5	18.8
07...	1.0	23.0	20...	1.0	16.6	19...	2.0	19.2
07...	1.5	23.4	20...	1.5	16.4	19...	2.5	18.7
07...	2.0	25.4	20...	2.0	17.4	19...	3.0	20.6
07...	2.5	24.9	20...	2.5	18.0	JUL 1980		
07...	3.0	25.3	20...	3.0	20.4	09...	0.5	16.8
07...	3.5	26.9	20...	3.5	22.2	09...	1.0	17.5
JUL 1979			MAR 1980			09...	1.5	17.6
13...	0.5	16.5	12...	0.5	27.5	09...	2.0	17.7
13...	1.0	18.5	12...	1.0	22.0	09...	2.5	18.2
13...	1.5	19.3	12...	1.5	16.7	09...	3.0	20.3
13...	2.0	20.9	12...	2.0	17.6	09...	3.5	22.0
13...	2.5	21.5	12...	2.5	18.0	30...	0.5	15.7
13...	3.0	23.3	12...	3.0	19.7	30...	1.0	16.4
13...	3.5	25.3	12...	3.5	21.8	30...	1.5	16.4
OCT 1979			APR 1980			30...	2.0	17.2
24...	0.5	15.3	02...	0.5	23.5	30...	2.5	18.1
24...	1.0	16.3	02...	1.0	22.7	30...	3.0	20.2
24...	1.5	16.1	02...	1.5	19.4	AUG 1980		
24...	2.0	17.0	02...	2.0	16.9	20...	0.5	14.6
24...	2.5	17.5	02...	2.5	17.0	20...	1.0	15.7
24...	3.0	19.6	02...	3.0	16.3	20...	1.5	15.6
24...	3.5	21.7	02...	3.5	16.0	20...	2.0	16.4
NOV 1979			24...	0.5	22.6	20...	2.5	17.1
28...	0.5	17.1	24...	1.0	22.1	20...	3.0	19.4
28...	1.0	16.4	24...	1.5	20.2	SEP 1980		
28...	1.5	16.2	24...	2.0	19.4	30...	0.5	14.4
28...	2.0	17.0	24...	2.5	18.7	30...	1.0	15.4
28...	2.5	17.6	24...	3.0	20.4	30...	1.5	15.4
28...	3.0	19.7	24...	3.5	22.1	30...	2.0	16.2
28...	3.5	21.8				30...	2.5	16.8
						30...	3.0	18.7

Table 27.--*Average soil moisture, in percent of total volume, at station 5*

DATE	SAMPLING DEPTH (FT)	AVERAGE SOIL MOISTURE PERCENT OF TOTAL VOLUME	DATE	SAMPLING DEPTH (FT)	AVERAGE SOIL MOISTURE PERCENT OF TOTAL VOLUME	DATE	SAMPLING DEPTH (FT)	AVERAGE SOIL MOISTURE PERCENT OF TOTAL VOLUME
AUG 1979			FEB 1980			MAY 1980		
09...	0.5	11.3	20...	1.0	13.5	27...	1.0	15.8
09...	1.0	12.4	MAR 1980			JUN 1980		
OCT 1979			12...	0.5	21.9	19...	0.5	17.6
24...	0.5	10.8	12...	1.0	18.6	19...	1.0	18.5
24...	1.0	11.9	APR 1980			JUL 1980		
NOV 1979			02...	0.5	21.9	09...	0.5	12.3
28...	0.5	12.7	02...	1.0	19.4	09...	1.0	13.3
28...	1.0	11.2	24...	0.5	17.1	30...	0.5	10.9
DEC 1979			24...	1.0	19.0	30...	1.0	11.7
18...	0.5	15.1	MAY 1980			AUG 1980		
18...	1.0	12.0	16...	0.5	15.7	20...	0.5	10.5
FEB 1980			16...	1.0	17.4	20...	1.0	10.9
20...	0.5	18.7	27...	0.5	16.0	SEP 1980		
						30...	0.5	12.4

Table 28.--*Average soil moisture, in percent of total volume, at station 7*

DATE	SAMPLING DEPTH (FT)	AVERAGE SOIL MOISTURE PERCENT OF TOTAL VOLUME	DATE	SAMPLING DEPTH (FT)	AVERAGE SOIL MOISTURE PERCENT OF TOTAL VOLUME	DATE	SAMPLING DEPTH (FT)	AVERAGE SOIL MOISTURE PERCENT OF TOTAL VOLUME
MAY 1979			NOV 1979			APR 1980		
17...	0.5	18.2	27...	2.5	14.5	24...	4.0	19.7
17...	1.0	20.0	27...	3.0	16.4	24...	4.5	20.2
17...	1.5	21.1	27...	3.5	17.6	MAY 1980		
17...	2.0	21.8	27...	4.0	16.7	14...	0.5	15.6
17...	2.5	22.3	27...	4.5	17.4	14...	1.0	16.6
17...	3.0	23.2	DEC 1979			14...	1.5	17.1
17...	3.5	23.1	19...	.5	17.7	14...	2.0	16.3
17...	4.0	21.4	19...	1.0	12.4	14...	2.5	17.9
17...	4.5	21.4	19...	1.5	13.5	14...	3.0	20.1
23...	0.5	17.2	19...	2.0	14.1	14...	3.5	21.2
23...	1.0	19.9	19...	2.5	15.8	14...	4.0	19.7
23...	1.5	21.2	19...	3.0	19.2	29...	0.5	15.2
23...	2.0	21.9	19...	3.5	21.7	29...	1.0	15.4
23...	2.5	22.8	19...	4.0	22.0	29...	1.5	16.1
23...	3.0	23.5	19...	4.5	23.4	29...	2.0	16.0
23...	3.5	23.5	JAN 1980			29...	2.5	17.6
23...	4.0	21.5	31...	0.5	18.9	29...	3.0	19.8
23...	4.5	21.5	31...	1.0	14.8	29...	3.5	18.4
JUN 1979			31...	1.5	15.7	29...	4.0	19.5
07...	0.5	16.0	31...	2.0	16.3	JUN 1980		
07...	1.0	18.2	31...	2.5	16.6	19...	0.5	16.5
07...	1.5	19.9	31...	3.0	20.0	19...	1.0	16.3
07...	2.0	20.9	31...	3.5	21.3	19...	1.5	16.6
07...	2.5	22.2	31...	4.0	23.3	19...	2.0	16.4
07...	3.0	22.8	31...	4.5	20.1	19...	2.5	20.0
07...	3.5	22.7	FEB 1980			19...	3.0	20.0
07...	4.0	21.0	20...	0.5	17.0	19...	3.5	20.9
07...	4.5	21.0	20...	1.0	13.7	19...	4.0	19.4
JUL 1979			20...	1.5	14.3	JUL 1980		
11...	0.5	13.0	20...	2.0	15.5	09...	0.5	12.7
11...	1.0	15.0	20...	2.5	17.4	09...	1.0	14.2
11...	1.5	16.8	20...	3.0	19.8	09...	1.5	15.6
11...	2.0	18.8	20...	3.5	18.6	09...	2.0	16.1
11...	2.5	20.7	20...	4.0	19.6	09...	2.5	17.5
11...	3.0	22.7	20...	4.5	19.9	09...	3.0	19.8
11...	3.5	23.4	MAR 1980			09...	3.5	21.0
11...	4.0	21.8	11...	0.5	24.1	09...	4.0	19.6
11...	4.5	21.9	11...	1.0	19.9	30...	0.5	11.5
OCT 1979			11...	1.5	16.8	30...	1.0	13.3
24...	0.5	11.8	11...	2.0	17.0	30...	1.5	14.6
24...	1.0	13.1	11...	2.5	16.9	30...	2.0	15.9
24...	1.5	14.1	11...	3.0	19.5	30...	2.5	17.5
24...	2.0	15.1	11...	3.5	22.9	30...	3.0	19.8
24...	2.5	16.9	11...	4.0	24.7	30...	3.5	20.4
24...	3.0	18.9	11...	4.5	23.3	30...	4.0	19.6
24...	3.5	21.0	APR 1980			AUG 1980		
24...	4.0	19.8	24...	0.5	18.1	20...	0.5	12.0
24...	4.5	20.2	24...	1.0	18.4	20...	1.0	13.0
NOV 1979			24...	1.5	17.5	20...	1.5	14.1
27...	0.5	11.5	24...	2.0	16.6	20...	2.0	15.1
27...	1.0	12.1	24...	2.5	17.8	20...	2.5	16.8
27...	1.5	12.7	24...	3.0	20.1	20...	3.0	18.8
27...	2.0	13.5	24...	3.5	21.1	20...	3.5	20.2
						20...	4.0	19.3

Table 29.--Average soil moisture, in percent of total volume, at station A

DATE	SAMPLING DEPTH (FT)	AVERAGE SOIL MOISTURE PERCENT OF TOTAL VOLUME	DATE	SAMPLING DEPTH (FT)	AVERAGE SOIL MOISTURE PERCENT OF TOTAL VOLUME	DATE	SAMPLING DEPTH (FT)	AVERAGE SOIL MOISTURE PERCENT OF TOTAL VOLUME
MAY 1979			JUL 1979			NOV 1979		
18...	0.5	23.7	24...	1.5	17.4	27...	1.5	16.3
18...	1.0	24.3	24...	2.0	17 6	27...	2.0	16.5
18...	1.5	24.0	24...	2.5	18.3	27...	2.5	16.6
18...	2.0	23.9	24...	3.0	19.7	27...	3.0	15.6
18...	2.5	23.0	24...	3.5	21.2	27...	3.5	18.5
18...	3.0	23.3	24...	4.0	21.5	27...	4.0	19.3
18...	3.5	23.2	24...	4.5	21.6	27...	4.5	19.9
18...	4.0	22.3	24...	5.0	21.3	27...	5.0	20.4
18...	4.5	22.8	24...	5.5	22.5	27...	5.5	20.8
18...	5.0	22.1	AUG 1979			DEC 1979		
23...	0.5	22.0	09...	0.5	15.1	19...	0.5	20.3
23...	1.0	24.0	09...	1.0	16.5	19...	1.0	16.5
23...	1.5	24.5	09...	1.5	17.1	19...	1.5	16.8
23...	2.0	23.4	09...	2.0	17.1	19...	2.0	15.9
23...	2.5	22.9	09...	2.5	17.8	19...	2.5	15.4
23...	3.0	22.5	09...	3.0	18.9	19...	3.0	16.8
23...	3.5	22.5	09...	3.5	20.1	19...	3.5	17.4
23...	4.0	22.2	09...	4.0	21.0	19...	4.0	18.1
23...	4.5	21.9	09...	4.5	21.1	19...	4.5	20.6
23...	5.0	21.9	09...	5.0	21.6	19...	5.5	20.3
23...	5.5	22.5	09...	5.5	22.1	JAN 1980		
JUN 1979			23...	0.5	15.3	31...	0.5	21.5
07...	0.5	20.7	23...	1.0	16.6	31...	1.0	18.7
07...	1.0	22.2	23...	1.5	17.0	31...	1.5	17.7
07...	1.5	23.0	23...	2.0	17.3	31...	2.0	18.9
07...	2.0	22.3	23...	2.5	17.8	31...	2.5	18.2
07...	2.5	22.2	23...	3.0	18.9	31...	3.0	17.4
07...	3.0	22.1	23...	3.5	19.8	31...	3.5	17.1
07...	3.5	22.1	23...	4.0	21.0	31...	4.0	15.9
07...	4.0	22.2	23...	4.5	21.0	31...	4.5	16.2
07...	4.5	21.8	23...	5.0	21.6	31...	5.0	17.6
07...	5.0	21.9	OCT 1979			31...	5.5	17.5
07...	5.5	22.2	10...	0.5	14.4	FEB 1980		
29...	0.5	16.7	10...	1.0	15.9	22...	0.5	18.9
29...	1.0	18.7	10...	1.5	16.2	22...	1.0	16.2
29...	1.5	21.2	10...	2.0	16.6	22...	1.5	16.6
29...	2.0	20.7	10...	2.5	16.9	22...	2.0	16.9
29...	2.5	21.5	10...	3.0	17.4	22...	2.5	17.0
29...	3.0	22.1	10...	3.5	18.9	22...	3.0	17.4
29...	3.5	22.5	10...	4.0	20.1	22...	3.5	18.7
29...	4.0	22.6	10...	4.5	20.6	22...	4.0	19.7
29...	4.5	22.2	10...	5.0	20.9	22...	4.5	19.8
29...	5.0	22.4	10...	5.5	21.4	22...	5.0	20.6
29...	5.5	23.1	25...	0.5	14.8	22...	5.5	21.0
JUL 1979			25...	1.0	16.1	MAR 1980		
13...	0.5	15.6	25...	1.5	16.5	11...	0.5	22.7
13...	1.0	17.4	25...	2.0	16.6	11...	1.0	16.8
13...	1.5	18.5	25...	2.5	17.0	11...	1.5	16.5
13...	2.0	18.4	25...	3.0	17.5	11...	2.0	16.8
13...	2.5	19.3	25...	3.5	18.9	11...	2.5	16.9
13...	3.0	20.8	25...	4.0	21.3	11...	3.0	17.4
13...	3.5	21.8	25...	4.5	21.8	11...	3.5	18.6
13...	4.0	22.0	25...	5.0	22.0	11...	4.0	19.6
13...	4.5	22.0	25...	5.5	22.8	11...	4.5	19.9
13...	5.0	22.5	NOV 1979			11...	5.0	20.4
24...	0.5	15.3	27...	0.5	15.6	11...	5.5	21.0
24...	1.0	16.8	27...	1.0	15.9			

Table 29.--*Average soil moisture, in percent of total volume, at station 8*--Continued

DATE	SAMPLING DEPTH (FT)	AVERAGE SOIL MOISTURE PERCENT OF TOTAL VOLUME
APR 1980		
03...	0.5	23.9
03...	1.0	20.1
03...	1.5	17.2
03...	2.0	16.8
03...	2.5	17.1
03...	3.0	17.3
03...	3.5	18.9
03...	4.0	19.4
03...	4.5	19.8
03...	5.0	20.7
03...	5.5	20.7
23...	0.5	21.3
23...	1.0	19.8
23...	1.5	17.5
23...	2.0	17.1
23...	2.5	17.3
23...	3.0	17.8
23...	3.5	19.1
23...	4.0	19.8
23...	4.5	20.2
23...	5.0	20.7
23...	5.5	21.3
MAY 1980		
14...	0.5	18.0
14...	1.0	17.6
14...	1.5	17.3
14...	2.0	17.1
14...	2.5	17.2
14...	3.0	17.9
14...	3.5	19.1
MAY 1980		
14...	4.0	19.9
14...	4.5	20.5
14...	5.0	20.7
14...	5.5	21.3
28...	0.5	17.0
28...	1.0	17.1
28...	1.5	16.9
28...	2.0	16.7
28...	2.5	17.2
28...	3.0	17.8
28...	3.5	19.2
28...	4.0	20.4
28...	4.5	20.3
28...	5.0	20.7
28...	5.5	21.7
JUN 1980		
18...	0.5	17.3
18...	1.0	17.3
18...	1.5	17.3
18...	2.0	17.3
18...	2.5	17.4
18...	3.0	18.2
18...	3.5	19.3
18...	4.0	19.8
18...	4.5	20.9
18...	5.0	21.0
JUL 1980		
08...	0.5	15.2
08...	1.0	15.6
08...	1.5	16.4
JUL 1980		
08...	2.0	16.5
08...	2.5	17.3
08...	3.0	18.0
08...	3.5	19.1
08...	4.0	20.2
08...	4.5	19.7
08...	5.0	21.0
08...	5.5	22.2
29...	0.5	14.4
29...	1.0	15.5
29...	1.5	16.2
29...	2.0	16.2
29...	2.5	16.5
29...	3.0	16.8
29...	3.5	18.3
29...	4.0	19.4
29...	4.5	19.9
29...	5.0	20.5
AUG 1980		
20...	0.5	14.1
20...	1.0	15.3
20...	1.5	15.9
20...	2.0	15.9
20...	2.5	16.1
20...	3.0	16.3
20...	3.5	17.6
20...	4.0	18.9
20...	4.5	19.5
20...	5.0	20.1

Table 30.--*Average soil moisture, in percent of total volume, at station 9*

DATE	SAMPLING DEPTH (FT)	AVERAGE SOIL MOISTURE PERCENT OF TOTAL VOLUME	DATE	SAMPLING DEPTH (FT)	AVERAGE SOIL MOISTURE PERCENT OF TOTAL VOLUME	DATE	SAMPLING DEPTH (FT)	AVERAGE SOIL MOISTURE PERCENT OF TOTAL VOLUME
JUN 1979			DEC 1979			MAY 1980		
27...	0.5	15.4	19...	1.5	15.1	14...	0.5	20.4
27...	1.0	17.2	JAN 1980			14...	1.0	21.5
27...	1.5	18.8	31...	0.5	21.3	14...	1.5	22.5
JUL 1979			31...	1.0	19.9	28...	0.5	18.7
12...	0.5	13.7	31...	1.5	20.1	28...	1.0	18.9
12...	1.0	15.4	FEB 1980			28...	1.5	20.4
12...	1.5	16.6	21...	0.5	21.0	JUN 1980		
OCT 1979			21...	1.0	15.8	18...	0.5	20.0
25...	0.5	13.3	21...	1.5	15.3	18...	1.0	19.5
25...	1.0	14.1	MAR 1980			18...	1.5	20.0
25...	1.5	14.5	12...	.5	25.2	JUL 1980		
25...	2.0	17.7	12...	1.0	20.8	08...	0.5	14.4
NOV 1979			12...	1.5	14.7	08...	1.0	15.2
29...	0.5	15.1	APR 1980			08...	1.5	16.8
29...	1.0	14.1	03...	.5	27.7	29...	0.5	12.9
29...	1.5	14.5	03...	1.0	26.4	29...	1.0	13.4
DEC 1979			03...	1.5	25.5	29...	1.5	14.9
19...	0.5	20.5	23...	0.5	25.5	AUG 1980		
19...	1.0	15.2	23...	1.0	25.8	21...	0.5	12.6
			23...	1.5	26.0	21...	1.0	13.1
						21...	1.5	14.2

Table 31.--*Average soil moisture, in percent of total volume, at station 10*

DATE	SAMPLING DEPTH (FT)	AVERAGE SOIL MOISTURE PERCENT OF TOTAL VOLUME	DATE	SAMPLING DEPTH (FT)	AVERAGE SOIL MOISTURE PERCENT OF TOTAL VOLUME	DATE	SAMPLING DEPTH (FT)	AVERAGE SOIL MOISTURE PERCENT OF TOTAL VOLUME
JUN 1979			JAN 1980			MAY 1980		
26...	0.5	14.6	31...	3.0	18.9	14...	4.0	20.9
26...	1.0	16.7	31...	3.5	20.4	14...	4.5	21.5
26...	1.5	18.9	31...	4.0	22.6	14...	5.0	21.8
26...	2.0	21.2	31...	4.5	22.5	28...	0.5	17.6
26...	2.5	23.7	31...	5.0	20.7	28...	1.0	20.2
26...	3.0	22.8	FEB 1980			28...	1.5	21.3
26...	3.5	23.0	22...	0.5	21.1	28...	2.0	22.5
26...	4.0	21.7	22...	1.0	18.6	28...	2.5	22.3
26...	4.5	20.7	22...	1.5	18.2	28...	3.0	21.9
26...	5.0	23.7	22...	2.0	19.2	28...	3.5	19.3
26...	5.5	24.5	22...	2.5	19.9	28...	4.0	20.9
JUL 1979			22...	3.0	20.4	28...	4.5	21.6
12...	0.5	15.0	22...	3.5	18.5	28...	5.0	22.3
12...	1.0	17.2	22...	4.0	19.7	JUN 1980		
12...	1.5	19.0	22...	4.5	21.2	18...	0.5	19.1
12...	2.0	22.1	22...	5.0	21.5	18...	1.0	20.1
12...	2.5	22.6	MAR 1980			18...	1.5	21.2
12...	3.0	22.6	13...	.5	22.9	18...	2.0	22.2
12...	3.5	20.5	13...	1.0	20.2	18...	2.5	21.9
12...	4.0	21.9	13...	1.5	18.1	18...	3.0	21.6
12...	4.5	23.4	13...	2.0	19.0	18...	3.5	19.2
12...	5.0	23.7	13...	2.5	20.1	18...	4.0	21.1
12...	5.5	24.2	13...	3.0	20.7	18...	4.5	21.6
OCT 1979			13...	3.5	20.4	18...	5.0	22.3
25...	0.5	14.6	13...	4.0	21.9	JUL 1980		
25...	1.0	16.3	13...	4.5	19.6	08...	0.5	15.8
25...	1.5	17.7	13...	5.0	20.4	08...	1.0	17.3
25...	2.0	18.9	13...	5.5	22.2	08...	1.5	19.1
25...	2.5	20.0	APR 1980			08...	2.0	20.5
25...	3.0	20.2	03...	0.5	27.6	08...	2.5	20.9
25...	3.5	18.6	03...	1.0	25.1	08...	3.0	19.5
25...	4.0	20.1	03...	1.5	26.3	08...	3.5	19.3
25...	4.5	21.6	03...	2.0	26.2	08...	4.0	20.6
25...	5.0	22.1	03...	2.5	25.3	08...	4.5	23.9
NOV 1979			03...	3.0	24.8	08...	5.0	22.2
29...	0.5	15.7	03...	3.5	23.8	29...	0.5	14.3
29...	1.0	16.3	03...	4.0	25.0	29...	1.0	16.1
29...	1.5	17.5	03...	4.5	22.5	29...	1.5	17.1
29...	2.0	18.7	03...	5.0	22.2	29...	2.0	18.1
29...	2.5	19.3	23...	0.5	22.7	29...	2.5	16.6
29...	3.0	19.8	23...	1.0	25.1	29...	3.0	20.1
29...	3.5	18.3	23...	1.5	24.4	29...	3.5	18.4
29...	4.0	19.4	23...	2.0	24.0	29...	4.0	20.9
29...	4.5	21.0	23...	2.5	23.2	29...	4.5	21.2
29...	5.0	21.4	23...	3.0	22.5	29...	5.0	22.0
DEC 1979			23...	3.5	19.7	AUG 1980		
19...	0.5	22.3	23...	4.0	21.0	21...	0.5	14.2
19...	1.0	18.9	23...	4.5	22.2	21...	1.0	16.1
19...	1.5	16.9	23...	5.0	22.5	21...	1.5	16.9
19...	2.0	17.1	MAY 1980			21...	2.0	17.8
19...	2.5	18.0	14...	0.5	18.6	21...	2.5	18.5
JAN 1980			14...	1.0	22.0	21...	3.0	19.2
31...	0.5	20.8	14...	1.5	22.5	21...	3.5	17.8
31...	1.0	19.1	14...	2.0	22.9	21...	4.0	20.0
31...	1.5	17.9	14...	2.5	22.3	21...	4.5	21.1
31...	2.0	16.5	14...	3.0	21.8	21...	5.0	21.9
31...	2.5	17.1	14...	3.5	19.1			

Table 32.--*Average soil moisture, in percent of total volume, at station 15*

DATE	SAMPLING DEPTH (FT)	AVERAGE SOIL MOISTURE PERCENT OF TOTAL VOLUME	DATE	SAMPLING DEPTH (FT)	AVERAGE SOIL MOISTURE PERCENT OF TOTAL VOLUME	DATE	SAMPLING DEPTH (FT)	AVERAGE SOIL MOISTURE PERCENT OF TOTAL VOLUME
JUL 1979			FEB 1980			MAY 1980		
27...	0.5	13.3	20...	0.5	19.0	29...	0.5	16.9
27...	1.0	16.2	20...	1.0	16.6	29...	1.0	18.1
27...	1.5	18.9	20...	1.5	17.4	29...	1.5	18.5
27...	2.0	20.0	20...	2.0	18.6	29...	2.0	19.2
27...	2.5	21.8	20...	2.5	19.6	29...	2.5	19.6
OCT 1979			MAR 1980			JUN 1980		
25...	0.5	13.0	11...	0.5	21.6	19...	0.5	18.2
25...	1.0	15.8	11...	1.0	21.2	19...	1.0	18.6
25...	1.5	17.2	11...	1.5	19.5	19...	1.5	18.5
25...	2.0	18.5	11...	2.0	15.5	19...	2.0	19.1
25...	2.5	19.7	11...	2.5	14.9	19...	2.5	19.5
NOV 1979			APR 1980			JUL 1980		
28...	0.5	14.1	02...	0.5	17.5	09...	0.5	14.0
28...	1.0	15.9	02...	1.0	17.3	09...	1.0	16.5
28...	1.5	16.8	02...	1.5	16.4	09...	1.5	17.6
28...	2.0	18.2	02...	2.0	17.3	09...	2.0	18.8
28...	2.5	19.2	02...	2.5	17.7	09...	2.5	19.8
DEC 1979			24...	0.5	20.8	30...	0.5	13.2
19...	0.5	13.5	24...	1.0	22.1	30...	1.0	16.1
19...	1.0	14.6	24...	1.5	19.8	30...	1.5	17.1
19...	1.5	15.0	24...	2.0	19.1	30...	2.0	18.2
19...	2.0	15.1	24...	2.5	19.6	AUG 1980		
19...	2.5	15.7	MAY 1980			20...	0.5	12.6
JAN 1980			15...	0.5	17.7	20...	1.0	15.6
31...	0.5	16.3	15...	1.0	20.2	20...	1.5	16.6
31...	1.0	15.9	15...	1.5	19.4	20...	2.0	17.6
31...	1.5	15.6	15...	2.0	19.4	20...	2.5	18.5
31...	2.0	15.5	15...	2.5	19.8			
31...	2.5	16.2						

Table 33.--*Average soil moisture, in percent of total volume, at station 16*

DATE	SAMPLING DEPTH (FT)	AVERAGE SOIL MOISTURE PERCENT OF TOTAL VOLUME	DATE	SAMPLING DEPTH (FT)	AVERAGE SOIL MOISTURE PERCENT OF TOTAL VOLUME	DATE	SAMPLING DEPTH (FT)	AVERAGE SOIL MOISTURE PERCENT OF TOTAL VOLUME
JUL 1979			JAN 1980			MAY 1980		
27...	0.5	15.3	31...	0.5	18.0	14...	0.5	21.3
27...	1.0	17.7	31...	1.0	16.0	14...	1.0	22.5
27...	1.5	19.8	31...	1.5	15.6	14...	1.5	22.0
27...	2.0	22.9	31...	2.0	16.3	14...	2.0	23.1
27...	2.5	24.6	31...	2.5	16.0	29...	0.5	18.5
OCT 1979			FEB 1980			29...	1.0	20.1
10...	.5	15.1	20...	0.5	20.9	29...	1.5	21.:
10...	1.0	18.3	20...	1.0	18.1	29...	2.0	22.3
10...	1.5	21.0	20...	1.5	19.1	JUN 1980		
10...	2.0	24.7	20...	2.0	21.4	19...	0.5	20.6
10...	2.5	27.6	20...	2.5	23.2	19...	1.0	20.9
25...	0.5	14.8	MAR 1980			19...	1.5	21.1
25...	1.0	17.1	11...	0.5	25.2	19...	2.0	22.4
25...	1.5	18.7	11...	1.0	22.4	JUL 1980		
25...	2.0	21.3	11...	1.5	14.4	09...	0.5	15.7
25...	2.5	23.6	11...	2.0	16.5	09...	1.0	17.8
NOV 1979			11...	2.5	14.1	09...	1.5	20.0
27...	0.5	16.2	APR 1980			09...	2.0	22.3
27...	1.0	17.5	02...	0.5	24.3	JUL 1980		
27...	1.5	19.3	02...	1.0	22.2	30...	0.5	12.2
27...	2.0	21.7	02...	1.5	22.2	30...	1.0	16.2
27...	2.5	23.8	02...	2.0	22.4	30...	1.5	18.6
DEC 1979			02...	2.5	21.7	30...	2.0	21.1
19...	0.5	14.5	24...	0.5	22.9	AUG 1980		
19...	1.0	14.6	24...	1.0	23.3	20...	0.5	14.4
19...	1.5	14.1	24...	1.5	21.8	20...	1.0	16.6
19...	2.0	14.6	24...	2.0	22.5	20...	1.5	18.6
19...	2.5	15.2	24...	2.5	23.1	20...	2.0	21.0

Table 34.--*Average soil moisture, in percent of total volume, at station 18*

DATE	SAMPLING DEPTH (FT)	AVERAGE SOIL MOISTURE PERCENT OF TOTAL VOLUME	DATE	SAMPLING DEPTH (FT)	AVERAGE SOIL MOISTURE PERCENT OF TOTAL VOLUME	DATE	SAMPLING DEPTH (FT)	AVERAGE SOIL MOISTURE PERCENT OF TOTAL VOLUME
JUL 1979			FEB 1980			MAY 1980		
24...	0.5	13.2	22...	0.5	18.7	27...	1.5	15.5
24...	1.0	13.8	22...	1.0	14.0	27...	2.0	16.9
24...	1.5	15.1	22...	1.5	14.5	27...	2.5	17.8
24...	2.0	16.9	22...	2.0	16.4	27...	3.0	18.5
24...	2.5	19.2	22...	2.5	17.8	27...	3.5	19.7
24...	3.0	20.1	22...	3.0	18.4	27...	4.0	20.6
24...	3.5	21.6	22...	3.5	19.2	JUN 1980		
24...	4.0	22.8	22...	4.0	20.2	18...	0.5	17.3
24...	4.5	24.2	22...	4.5	21.3	18...	1.0	15.3
AUG 1979			MAR 1980			18...	1.5	15.3
23...	0.5	13.6	11...	0.5	21.3	18...	2.0	16.8
23...	1.0	14.2	11...	1.0	16.2	18...	2.5	17.9
23...	1.5	15.2	11...	1.5	16.3	18...	3.0	18.1
23...	2.0	17.3	11...	2.0	17.4	18...	3.5	19.3
23...	2.5	19.4	11...	2.5	18.8	18...	4.0	20.3
23...	3.0	20.1	11...	3.0	19.3	JUL 1980		
23...	3.5	21.4	11...	3.5	21.0	08...	0.5	13.3
23...	4.0	22.9	11...	4.0	21.5	08...	1.0	14.3
23...	4.5	24.0	11...	4.5	21.8	08...	1.5	15.4
NOV 1979			APR 1980			08...	2.0	17.0
27...	0.5	14.5	23...	0.5	20.1	08...	2.5	17.6
27...	1.0	13.6	23...	1.0	17.8	08...	3.0	18.5
27...	1.5	14.3	23...	1.5	16.0	08...	3.5	19.4
27...	2.0	16.0	23...	2.0	17.2	29...	0.5	12.6
27...	2.5	17.7	23...	2.5	18.0	29...	1.0	13.3
27...	3.0	18.2	23...	3.0	18.5	29...	1.5	14.4
27...	3.5	19.3	23...	3.5	19.7	29...	2.0	16.2
27...	4.0	20.3	23...	4.0	20.5	29...	2.5	16.9
JAN 1980			MAY 1980			29...	3.0	17.5
31...	0.5	16.4	14...	0.5	15.6	29...	3.5	18.7
31...	1.0	16.1	14...	1.0	15.7	29...	4.0	19.6
31...	1.5	16.0	14...	1.5	15.6	AUG 1980		
31...	2.0	16.2	14...	2.0	17.1	20...	0.5	12.5
31...	2.5	16.8	14...	2.5	17.9	20...	1.0	12.9
31...	3.0	17.7	14...	3.0	18.4	20...	1.5	13.8
31...	3.5	18.8	14...	3.5	19.5	20...	2.0	15.5
31...	4.0	21.1	14...	4.0	20.6	20...	2.5	16.4
31...	4.5	19.5	27...	0.5	15.1	20...	3.0	16.8
			27...	1.0	15.2	20...	3.5	18.1
						20...	4.0	18.6

Table 35.--*Average soil moisture, in percent of total volume, at station 19*

DATE	SAMPLING DEPTH (FT)	AVERAGE SOIL MOISTURE PERCENT OF TOTAL VOLUME	DATE	SAMPLING DEPTH (FT)	AVERAGE SOIL MOISTURE PERCENT OF TOTAL VOLUME	DATE	SAMPLING DEPTH (FT)	AVERAGE SOIL MOISTURE PERCENT OF TOTAL VOLUME
JUN 1979			DEC 1979			MAY 1980		
27...	0.5	13.7	19...	2.5	21.3	14...	2.5	19.6
27...	1.0	17.5	JAN 1980			28...	0.5	16.9
27...	1.5	20.7	31...	0.5	23.1	28...	1.0	18.5
27...	2.0	21.6	31...	1.0	22.3	28...	1.5	19.8
27...	2.5	22.3	31...	1.5	22.4	28...	2.0	18.9
27...	3.0	23.9	31...	2.0	20.8	28...	2.5	19.5
JUL 1979			31...	2.5	20.7	JUN 1980		
12...	0.5	13.6	FEB 1980			18...	0.5	19.4
12...	1.0	17.0	22...	0.5	23.1	18...	1.0	19.4
12...	1.5	20.0	22...	1.0	18.1	18...	1.5	19.9
12...	2.0	20.5	22..	1.5	18.2	18...	2.0	18.7
12...	2.5	21.5	22..	2.0	17.6	18...	2.5	19.3
OCT 1979			22...	2.5	18.6	JUL 1980		
25...	0.5	13.7	APR 1980			08...	0.5	14.2
25...	1.0	16.3	03...	0.5	24.2	08...	1.0	16.6
25...	1.5	17.5	03...	1.0	24.2	08...	1.5	17.7
25...	2.0	17.4	03...	1.5	23.2	08...	2.0	17.6
25...	2.5	18.6	03...	2.0	19.8	08...	2.5	18.8
NOV 1979			03...	2.5	19.4	29...	0.5	13.5
29...	0.5	14.9	23...	0.5	21.1	29...	1.0	15.4
29...	1.0	16.0	23...	1.0	22.8	29...	1.5	16.5
29...	1.5	17.3	23...	1.5	23.3	29...	2.0	16.4
29...	2.0	17.1	23...	2.0	20.8	29...	2.5	17.9
29...	2.5	18.1	23...	2.5	20.3	AUG 1980		
DEC 1979			MAY 1980			21...	0.5	13.3
19...	0.5	20.0	14...	0.5	16.7	21...	1.0	15.1
19...	1.0	16.5	14...	1.0	19.4	21...	1.5	16.3
19...	1.5	19.8	14...	1.5	20.7	21...	2.0	15.9
19...	2.0	20.3	14...	2.0	19.6	21...	2.5	17.5

Table 36.--*Average soil moisture, in percent of total volume, at station 20*

DATE	SAMPLING DEPTH (FT)	AVERAGE SOIL MOISTURE PERCENT OF TOTAL VOLUME	DATE	SAMPLING DEPTH (FT)	AVERAGE SOIL MOISTURE PERCENT OF TOTAL VOLUME	DATE	SAMPLING DEPTH (FT)	AVERAGE SOIL MOISTURE PERCENT OF TOTAL VOLUME
JUL 1979			MAR 1980			MAY 1980		
27...	0.5	14.3	11...	0.5	23.9	28...	2.0	20.1
27...	1.0	16.7	11...	1.0	20.4	28...	2.5	20.3
27...	1.5	17.8	11...	1.5	19.8	28...	3.0	21.2
27...	2.0	21.3	11...	2.0	19.4	28...	3.5	21.3
27...	2.5	22.3	11...	2.5	19.4	28...	4.0	22.9
27...	3.0	23.2	11...	3.0	19.8	JUN 1980		
27...	3.5	23.3	11...	3.5	24.6	18...	0.5	20.9
27...	4.0	24.2	11...	4.0	25.3	18...	1.0	21.1
OCT 1979			APR 1980			18...	1.5	19.5
25...	0.5	14.3	03...	0.5	22.5	18...	2.0	20.0
25...	1.0	16.1	03...	1.0	22.6	18...	2.5	20.5
25...	1.5	17.2	03...	1.5	18.8	18...	3.0	21.2
25...	2.0	19.4	03...	2.0	19.6	18...	3.5	21.2
25...	2.5	20.3	03...	2.5	20.2	JUL 1980		
25...	3.0	21.2	03...	3.0	20.7	08...	0.5	13.9
25...	3.5	21.5	03...	3.5	20.9	08...	1.0	17.5
25...	4.0	23.0	03...	4.0	22.4	08...	1.5	18.5
NOV 1979			23...	.5	21.0	08...	2.0	20.2
27...	0.5	15.5	23...	1.0	22.5	08...	2.5	20.6
27...	1.0	16.2	23...	1.5	19.6	08...	3.0	21.3
27...	1.5	17.1	23...	2.0	19.8	08...	3.5	22.2
27...	2.0	19.4	23...	2.5	20.4	29...	0.5	14.2
27...	2.5	20.3	23...	3.0	20.9	29...	1.0	16.0
27...	3.0	21.0	23...	3.5	20.8	29...	1.5	
27...	3.5	21.2	MAY 1980			29...	2.0	18.6
27...	4.0	22.7	14...	0.5	18.4	29...	2.5	19.7
JAN 1980			14...	1.0	20.4	29...	3.0	21.0
31...	0.5	20.9	14...	1.5	19.4	29...	3.5	21.6
31...	1.0	14.9	14...	2.0	20.1	AUG 1980		
31...	1.5	14.6	14...	2.5	20.4	20...	0.5	14.2
31...	2.0	14.8	14...	3.0	21.1	20...	1.0	15.8
31...	2.5	15.2	14...	3.5	21.2	20...	1.5	16.6
31...	3.0	15.1	28...	0.5	17.6	20...	2.0	18.1
31...	3.5	15.8	28...	1.0	19.0	20...	2.5	19.2
31...	4.0	15.8	28...	1.5	18.8	20...	3.0	20.3
						20...	3.5	21.0

Table 37.--*Average daily stream discharge, in cubic feet per second, at station 2* (06307528)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
3	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00
4	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00
5	.00	.05	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00
6	.00	.06	.00	.00	.00	.03	.00	.00	.75	.00	.00	.00
7	.00	.07	.00	.00	.00	.20	.00	.00	.07	.00	.00	.00
8	.00	.07	.00	.00	.00	1.0	.00	.00	.00	.00	.00	.00
9	.00	.07	.00	.00	.00	.15	.00	.00	.00	.00	.00	.00
10	.00	.11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
11	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
12	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
14	.00	.20	.00	.00	.00	.01	.00	.00	13	.00	.01	.00
15	.01	.60	.00	.00	.00	.00	.00	.00	1.2	.00	.01	.00
16	.03	.10	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00
17	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
18	.27	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19	.22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
20	.08	.00	.00	.00	.60	.00	.00	.00	.00	.00	.00	.00
21	.11	.00	.00	.00	2.0	.00	.00	.00	.00	.00	.00	.00
22	.03	.00	.00	.00	.80	.00	.00	.00	.00	.00	.00	.00
23	.16	.00	.00	.00	1.0	.00	.00	.00	.00	.00	.00	.00
24	.07	.00	.00	.02	.80	.00	.00	.00	.00	.00	.00	.00
25	.11	.00	.00	.00	.60	.00	.00	.00	.00	.00	.00	.00
26	.04	.00	.00	.00	.80	.00	.00	.00	.00	.00	.00	.00
27	.00	.00	.00	.00	1.6	.00	.00	.00	.00	.00	.00	.00
28	.03	.00	.00	.00	1.1	.00	.00	.00	.00	.00	.00	.00
29	.00	.00	.00	.00	.60	.00	.00	.00	.00	.00	.00	.00
30	.01	.00	.00	.00		.00	.00	.02	.00	.00	.00	.00
31	.00		.00	.00		.00		.00		.00	.00	
TOTAL	1.17	1.48	.09	.02	9.9	1.39	.00	.02	15.02	.00	.03	.00
MEAN	.038	.049	.003	.001	.34	.045	.000	.001	.50	.000	.001	.000
MAX	.27	.60	.05	.02	2.0	1.0	.00	.02	13	.00	.01	.00
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

Water year October 1979 to September 1980 YEAR TOTAL 29.12 MEAN 0.080 MAX 13 MIN 0.00

Table 38.--*Average daily stream discharge, in cubic feet per second, at station 18* (06307525)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.13	0.13	0.06	0.02	0.10	0.10	0.18	0.07	0.09	0.06	0.02	0.07
2	.13	.13	.06	.02	.10	.10	.17	.07	.09	.06	.02	.07
3	.13	.13	.06	.02	.10	.08	.18	.07	.09	.07	.06	.07
4	.10	.13	.06	.02	.10	.06	.20	.07	.09	.07	.06	.07
5	.10	.13	.07	.02	.10	.04	.18	.09	.09	.06	.03	.03
6	.09	.18	.09	.01	.10	.06	.18	.09	.09	.06	.02	.03
7	.09	.18	.10	.01	.08	.06	.22	.09	.09	.06	.03	.03
8	.09	.18	.09	.01	.08	.06	.20	.07	.09	.07	.02	.07
9	.10	.18	.10	.01	.08	.07	.20	.09	.10	.07	.02	.09
10	.09	.18	.09	.01	.08	.07	.20	.10	.10	.06	.02	.07
11	.09	.18	.09	.02	.08	.07	.20	.20	.10	.06	.04	.09
12	.09	.13	.07	.06	.08	.07	.20	.18	.10	.07	.02	.10
13	.10	.13	.06	.06	.08	.06	.18	.18	.10	.06	.04	.09
14	.09	.13	.06	.06	.06	.06	.18	.18	.10	.09	.03	.09
15	.09	.13	.06	.06	.04	.07	.18	.13	.10	.07	.02	.13
16	.09	.13	.02	.05	.06	.06	.18	.18	.10	.07	.02	.18
17	.10	.13	.02	.04	.20	.04	.18	.18	.10	.07	.01	.10
18	.10	.13	.03	.04	1.0	.06	.32	.10	.10	.10	.02	.18
19	.10	.13	.04	.04	5.0	.09	.49	.13	.09	.07	.03	.10
20	.10	.13	.06	.04	4.5	.07	.32	.10	.06	.09	.04	.18
21	.13	.10	.06	.06	4.1	.06	.32	.10	.06	.10	.04	.13
22	.13	.10	.06	.12	3.5	.06	.32	.10	.06	.13	.04	.18
23	.10	.10	.06	.18	3.0	.13	.32	.09	.06	.07	.03	.18
24	.10	.10	.06	.18	3.0	.07	.13	.12	.07	.06	.03	.32
25	.10	.10	.06	.18	3.0	.07	.10	.14	.07	.06	.07	.18
26	.10	.10	.06	.18	1.5	.07	.13	.12	.07	.06	.07	.18
27	.10	.09	.04	.13	.80	.10	.10	.10	.09	.04	.09	.18
28	.10	.07	.03	.10	.60	.49	.09	.18	.07	.03	.07	.07
29	.10	.07	.03	.10	.50	.49	.09	.10	.07	.03	.06	.09
30	.13	.06	.02	.13		.32	.09	.10	.07	.02	.09	.09
31	.13		.02	.13		.25		.09		.02	.09	
TOTAL	3.22	3.79	1.79	2.11	32.02	3.46	6.03	3.61	2.56	2.01	1.25	3.44
MEAN	.10	.13	.058	.068	1.10	.11	.20	.12	.085	.065	.040	.11
MAX	.13	.18	.10	.18	5.0	.49	.49	.20	.10	.13	.09	.32
MIN	.09	.06	.02	.01	.04	.04	.09	.07	.06	.02	.01	.03

Water year October 1979 to September 1980 YEAR TOTAL 65.29 MEAN 0.18 MAX 5.0 MIN 0.01

Table 39.--*Chemical quality of water at station 2*

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH, FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM, DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)
FEB 21 1980...	1045	1.7	440	8.4	3.0	1.0	11.3	89	170	72	26	26

DATE	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY (MG/L AS CACO3)	SULFATE, DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	BROMIDE, DIS-SOLVED (MG/L AS BR)	IODIDE, DIS-SOLVED (MG/L AS I)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)
FEB 21 1980...	12	0.4	11	100	100	4.0	0.1	0.1	0.00	9.4	249

DATE	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, DIS-SOLVED (TONS PER DAY)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC SUS-PENDED (MG/L AS C)	BORON, DIS-SOLVED (UG/L AS B)	IRON, DIS-SOLVED (UG/L AS FE)
FEB 21 1980...	0.34	1.14	0.23	0.040	1.9	1.9	0.250	51	2.8	190	160

Table 40.--*Chemical quality of water at station 18*

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH, FIELD (UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM, DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)
FEB 21 1980...	1430	4.1	530	7.9	7.0	0.5	11.7	93	210	74	33	32
MAY 15 1980...	1130	.19	1850	8.0	19.0	11.0	8.9	93	990	530	100	180

DATE	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY (MG/L AS CACO3)	SULFATE, DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	BROMIDE, DIS-SOLVED (MG/L AS BR)	IODIDE, DIS-SOLVED (MG/L AS I)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)
FEB 21 1980...	13	0.4	10	140	110	3.0	0.1	0.1	0.00	9.0	295
MAY 15 1980...	100	1.4	7.5	460	680	7.2	.4	.0	.00	9.7	1360

DATE	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, DIS-SOLVED (TONS PER DAY)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC SUS-PENDED (MG/L AS C)	BORON, DIS-SOLVED (UG/L AS B)	IRON, DIS-SOLVED (UG/L AS FE)
FEB 21 1980...	0.40	3.27	0.07	0.190	2.2	2.4	0.270	31	2.9	160	150
MAY 15 1980...	1.85	.70	.18	.000	8.8	8.8	.010	13	.3	90	<10

Table 41.—*Suspended sediment at station 2*

DATE	TIME	TEMPERATURE, WATER (DEG C)	STREAMFLOW, INSTANTANEOUS (CFS)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY)
FEB 21 1980...	1045	1.0	1.7	45	0.21

Table 42.--*Suspended sediment at station 18*

DATE	TIME	TEMPERATURE, WATER (DEG C)	STREAMFLOW, INSTANTANEOUS (CFS)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY)
FEB 21 1980...	1430	0.5	4.1	189	2.1
MAY 15 1980...	1130	11.0	.19	10	.01